

CLAIMS:

1. A display unit comprising:

first and second substrates;

5 a liquid crystal display located between the substrates;

an organic electroluminescent display located between one of the substrates and the liquid crystal display, wherein the organic electroluminescent display has an organic electroluminescent layer;

10 a reflector for reflecting a light that passes through the organic electroluminescent layer and the liquid crystal display; and

a plurality of common electrodes, which are commonly used for both displays, wherein pixels are formed on both displays, wherein, in each display, each pixel is located at a position that corresponds to one of the common electrodes.

2. The display unit according to claim 1, further comprising a plurality of control elements, wherein each control element corresponds to one of the common electrodes.

3. The display unit according to claim 2, wherein each control element is a thin film transistor, and wherein the thin film transistor is located on one of the substrates.

25 4. The display unit according to claim 1, wherein the first substrate, the reflector, the organic electroluminescent display, the common electrodes, the liquid crystal display and the second substrate are laminated in this order, and wherein the second substrate permits incidence of light and output of light.

5. The display unit according to claim 1, further comprising a color filter for displaying a color image, wherein the color filter permits light reflected by the

reflector and light emitted from the organic electroluminescent display to pass through the color filter.

6. The display unit according to claim 5, wherein the color filter has a plurality of color filter members, wherein the organic electroluminescent display corresponds to each color filter member, wherein each pixel corresponds to one of the color filter members, and wherein, in each pixel, the organic electroluminescent display emits light of a color that is the same as the color of the corresponding color filter member.

7. The display unit according to claim 1, wherein the organic electroluminescent display emits white light.

8. The display unit according to claim 1, further comprising a switch member for switching to selectively activate the liquid crystal display and the organic electroluminescent display.

9. The display unit according to claim 8, further comprising a first power source connected to the liquid crystal display, and a second power source connected to the organic electroluminescent display, wherein the switch member includes first and second switches, wherein the first switch connects the liquid crystal display with the first power source, and wherein the second switch connects the organic electroluminescent display with the second power source.

10. The display unit according to claim 8, further comprising a common power source commonly connected to both displays, wherein the switch member is a switch, and wherein the switch is located between the common power source and both displays.

11. The display unit according to claim 8, further

comprising a manipulator for manually manipulating the switch member.

12. The display unit according to claim 1, wherein the
5 liquid crystal display has a liquid crystal and a transparent electrode, wherein the reflector functions as an electrode for the organic electroluminescent display, wherein the first substrate, the reflector, the organic electroluminescent layer, the common electrodes, the liquid crystal display, and
10 the second substrate are laminated in this order, and wherein the second substrate permits incidence of light and output of light.

13. The display unit according to claim 1, wherein the
15 liquid crystal display has a liquid crystal, wherein the organic electroluminescent crystal has a transparent electrode, wherein the reflector functions as an electrode for the liquid crystal display, wherein the first substrate, the reflector, the liquid crystal, the common electrode, the
20 organic electroluminescent layer, the transparent electrode, and the second substrate are laminated in this order, and wherein the second substrate permits incidence of light and output of light.

25 14. A display unit comprising:
first and second substrates;
a liquid crystal display located between the substrates;
an organic electroluminescent display located between
one of the substrates and the liquid crystal display, wherein
30 the organic electroluminescent display has an organic electroluminescent layer;
a reflector for reflecting light that passes through the organic electroluminescent layer and the liquid crystal display;
35 a switch for selectively activating of the liquid

crystal display and activation of the organic electroluminescent display;

5 a plurality of common electrodes, which are commonly used for both displays, wherein pixels are formed on both displays, wherein, in each display, each pixel is located at a position that corresponds to one of the common electrodes; and

a plurality of control elements, wherein each control element corresponds to one of the common electrodes.